

Serial No. 10/679,746

## Claims

1- 22 (cancelled).

23. (new) A method of treating hyperglycemia comprising co-administering:

a) an effective dosage of a GLP-1 peptide agonist; and

b) an effective dosage of pioglitazone or rosiglitazone to a patient in need thereof.

24. (new) The method of Claim 23 wherein the GLP-1 peptide agonist and the pioglitazone or rosiglitazone are administered simultaneously.

25. (new) The method of Claim 23 wherein the GLP-1 peptide agonist and the pioglitazone or rosiglitazone are administered sequentially.

26. (new) The method of Claim 23 wherein an effective dosage of pioglitazone is administered.

27. (new) The method of Claim 23 wherein an effective dosage of rosiglitazone is administered.

28. (new) The method of Claim 23 wherein the GLP-1 peptide agonist is a GLP-1 molecule.

29. (new) The method of Claim 28 wherein the GLP-1 molecule is an analog of SEQ ID NO:1.

30. (new) The method of Claim 28 wherein the GLP-1 molecule is a GLP-1 derivative.

31. (new) The method of Claim 29 wherein the GLP-1 molecule comprises Valine, Glycine, Threonine, or Methionine at position 8.

32. (new) The method of Claim 28 wherein the effective dosage of the GLP-1 molecule is in the range of about 5 to about 200  $\mu$ g per day.33. (new) The method of Claim 32 wherein the dosage is in the range of about 20 to about 100  $\mu$ g per day.34. (new) The method of Claim 33 wherein the dosage is about 30 to about 50  $\mu$ g per day.

35. (new) A method of inducing insulin secretion while minimizing the risk of heart hypertrophy or tissue damage comprising co-administering:

a) an effective dosage of a GLP-1 peptide agonist; and

b) an effective dosage of pioglitazone or rosiglitazone to a patient in need thereof.

36. (new) The method of Claim 35 wherein the GLP-1 peptide agonist and the pioglitazone or rosiglitazone are administered simultaneously.

37. (new) The method of Claim 35 wherein the GLP-1 peptide agonist and the pioglitazone or rosiglitazone are administered sequentially.

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38. (new) The method of Claim 35 wherein an effective dosage of pioglitazone is administered.
39. (new) The method of Claim 35 wherein an effective dosage of rosiglitazone is administered.
40. (new) The method of Claim 35 wherein the GLP-1 peptide agonist is a GLP-1 molecule.
41. (new) The method of Claim 40 wherein the GLP-1 molecule is an analog of SEQ ID NO: 1.
42. (new) The method of Claim 40 wherein the GLP-1 molecule is a GLP-1 derivative.
43. (new) The method of Claim 41 wherein the GLP-1 molecule comprises Valine, Glycine, Threonine, or Methionine at position 8.
44. (new) The method of Claim 40 wherein the effective dosage of the GLP- I molecule is in the range of about 5 to about 200  $\mu\text{g}$  per day.
45. (new) The method of Claim 44 wherein the dosage is in the range of about 20 to about 100  $\mu\text{g}$  per day.
46. (new) The method of Claim 45 wherein the dosage is about 30 to about 50  $\mu\text{g}$  per day.
47. (new) A method of reducing HbA1c levels in a diabetic patient comprising co-administering:
  - a) an effective dosage of a GLP- I peptide agonist; and
  - b) an effective dosage of pioglitazone or rosiglitazone to a patient in need thereof.